SCREWED UP
ORIGINALS

```
-x
doc-id-1
start-byte
len
-x
doc-id-2
start-byte
len
. . .
```

Notice that each argument must be placed on a separate line. Thus, in a
file-based system, **delete-args-file** might look like this:

```
-x
/usr/martin/mail-archive
4041968
24601
-x
/usr/martin/mail-archive
4121861
94309
```

Here we see Martin has kept mail archives with multiple documents in
each file and provided the offsets and lengths of the ones to be ignored
by the WAIS server.

Merging and Replacing WAIS Databases

Two other **waisindex** options that help manage changing databases are
-merge and **-replacewith**.

The **-merge** option joins two sets of index files. It takes two
arguments, the path names of the index directories to be combined. For
example,

```
% waisindex -d final-db -merge db1 db2 -finalize
```

will merge the **wais/indexes/db1** and **wais/indexes/db2** index files into
wais/indexes/final-db. Notice that the destination index directory is
specified as an argument to the **-d** switch. In addition, the -finalize
switch is required when using **-merge**; it makes the resulting, merged
index searchable.

Multiple display formats are equally useful in cases where documents exist in multiple formats. A technical report, for example, may be available in text, Postscript, and Microsoft Word format and you may want to make all three formats available to the user. This can be done with a command such as:

```
% waisparse  -assoc ps PS  -assoc doc MS-WORD
              /wais/data/tech-reps/*.txt  |
              waisindex -d /wais/indexes/resume
```

Here, the first **-assoc** switch indicates that Postscript files use the file extension **.ps** and the PS display format. The second **-assoc** switch identifies Microsoft Word files as those with **.doc** extensions and using the MS-WORD display format. The files that are parsed and indexed are specified as **/wais/data/tech-reps/*.txt** using the default **text** parse format. The Postscript and Microsoft Word format files, **/wais/data/tech-reps/*.ps** and **/wais/data/tech-reps/*.doc**, respectively, are associated with these text files.

The **.src** File and the Directory of Servers

A directory of servers is a WAIS database made up of **.src** files. Each *database***.src** file contains information about a particular database. Once you have built the index for your database, there will be a *database***.src** file in your index directory. Using your favorite editor, open it and take a look. A sample *database***.src** file is shown below.

```
(:source
   :version  3
   :ip-address  "129.362.28.5"
   :ip-name  "server-name:whereever.com"
   :tcp-port 210
   :database-name  "/wais/indexes/mydata"
   :maintainer  "whoever@whereever.com"
   :description
"This is where you put a textual description of the
database you are defining. Be sure to include a description of
any tagged fields you may have defined for the database. This is
the information users will turn to decide whether or not to
search your database."
)
```

The values in each field will be different from those shown above. Check them and correct any incorrect values. The **waisindex** program does its best to fill in the correct information, but you probably need to change something. In particular, be sure to check the **ip-address, ip-name**, and **tcp-port** values. Also check the email address for the official maintainer. Next, add a textual description of the database. It should